

ABSTRACT

A sensor for monitoring gas content. The sensor comprises a housing defining at least two cavities and a resonating structure positioned in each of the cavities.

5 Each of the resonating structures has a resonant frequency dependent upon a physical characteristic of a gas in its respective cavity. Means for exciting the resonating structures generates output signals therefrom, and means compares the output signals from each of the resonating structures and outputs a comparison signal indicative of a difference between the resonant frequencies of the two structures and

10 the relative gas content of the at least two cavities.